

THOMSON

DELPHION

RESEARCH

PRODUCTS

INSIDE DELPHION

Logout | My Profile | Advanced Search

My Account | Products

Search: Quick/Number Boolean Advanced

The Delphion Integrated View

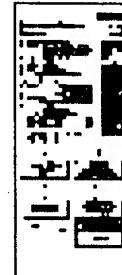
Get Now: PDF | More choices...Tools: Add to Work File: Create new WoView: INPADOC | Jump to: Go to: Derwent... Email

>Title: JP1071060A2: SEPARATOR FOR SEALED LEAD-ACID BATTERY

Country: JP Japan

Kind: A

Inventor: WATANABE EJISON;



Assignee: WATANABE EJISON

News, Profiles, Stocks and More about this company

Published / Filed: 1989-03-16 / 1987-09-10

Application Number: JP1987000227131

IPC Code: H01M 2/16;

Priority Number: 1999-09-08 JP1999000254323

Abstract:

PURPOSE: To increase quick-charge capability by forming water absorbing pores with inorganic powder fillers and hydrophobic pores by mechanical or electrical perforation or with water soluble powder by using polyolefin resin as a main material.

CONSTITUTION: Polyolefin resin powder is mixed with inorganic powder such as silica and alumina, and the mixture is kneaded with a plasticizer, then formed in a sheet by extrusion molding. The plasticizer is extracted, and in addition a water soluble substance such as starch is eluted, then the porous sheet obtained is subjected to sulfonation. The sulfonation is conducted with a dilute aqueous solution (10% or below) of fuming sulfuric acid, and only the water absorbing micropores are selectively sulfonated. An electrolyte is absorbed only in the water absorbing micropores and no electrolyte is permeated into the hydrophobic pore 3. Hydrogen ions are permeated through water absorbing micropores and oxygen gas is permeated through hydrophobic pores. The movement of metal anions to a negative electrode through a separator is prevented, however the oxygen gas is permeated to the negative electrode.

COPYRIGHT: (C)1989,JPO&Japio

INPADOC Legal Status: None Get Now: Family Legal Status Report

Family: Show 2 known family members

Other Abstract Info: None